

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019032.D
 Acq On : 22 Oct 2020 17:07
 Operator : JC/SP
 Sample : L4417-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

Quant Time: Oct 23 08:33:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	266742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	464933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231116	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	166386	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	5.46	113	145113	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.70	98	585131	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.12	95	211958	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	

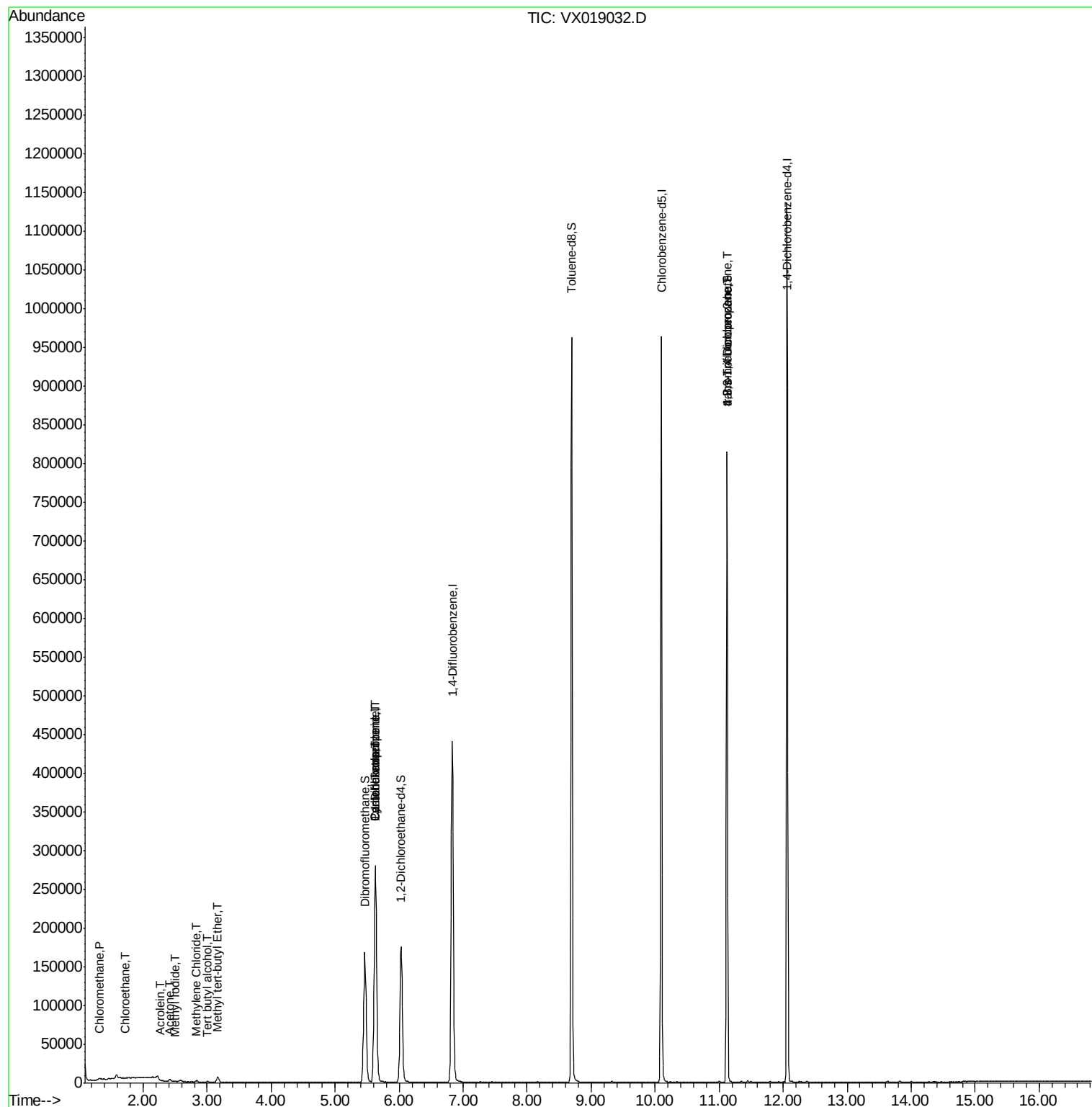
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	627	0.237	ug/l #	67
5) Bromomethane	1.64	94	188	Below Cal		83
6) Chloroethane	1.72	64	49	1.291	ug/l #	43
10) Methyl Iodide	2.50	142	102	4.796	ug/l #	42
11) Tert butyl alcohol	3.01	59	590	0.912	ug/l #	73
13) Acrolein	2.27	56	123	14.102	ug/l #	16
16) Acetone	2.42	43	2871	2.638	ug/l	89
19) Methyl tert-butyl Ether	3.16	73	8097	0.985	ug/l	98
20) Methylene Chloride	2.83	84	721	0.238	ug/l #	85
31) Cyclohexane	5.62	56	5547	1.482	ug/l #	6
36) 1,1-Dichloropropene	5.63	75	19948	4.782	ug/l #	48
38) Carbon Tetrachloride	5.63	117	26601	6.075	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106417	23.037	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	106417	58.694	ug/l #	15

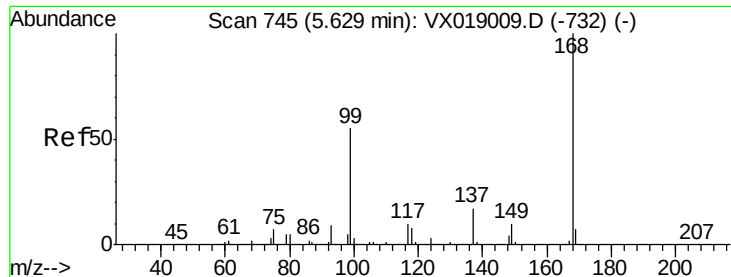
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Instrument :

MSVOA_X

ClientSampled :

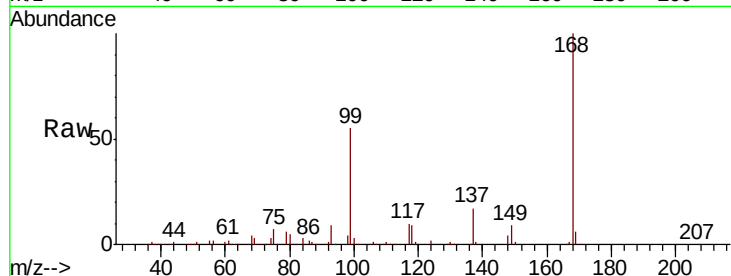
MW-16

Tot Ion:168 Resp: 266742

Ion Ratio Lower Upper

168 100

99 54.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

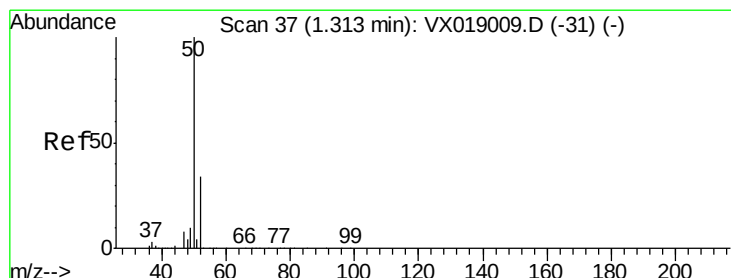
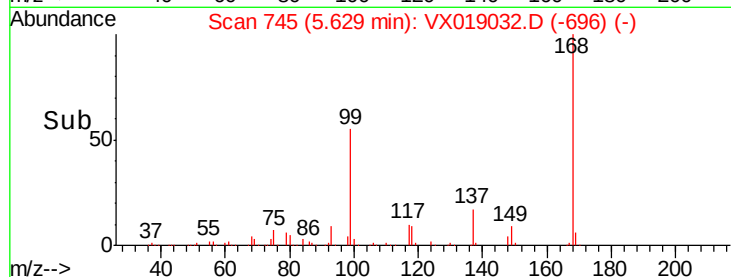
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019032.D

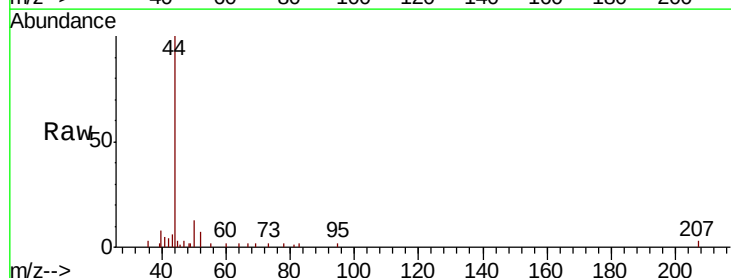
Acq: 22 Oct 2020 17:07

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

50 100

52 52.9 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

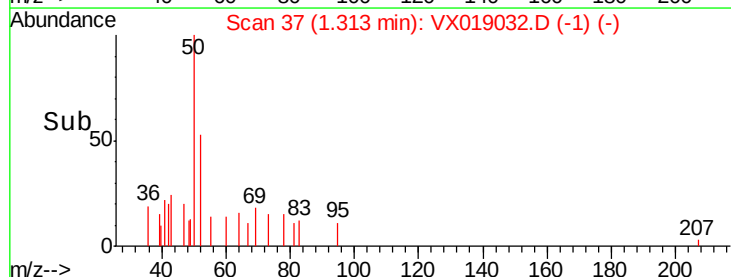
300

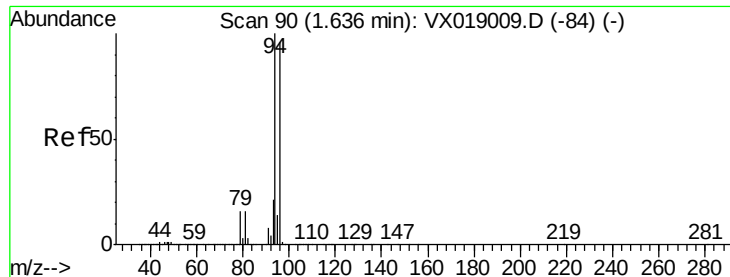
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Instrument :

MSVOA_X

ClientSampled :

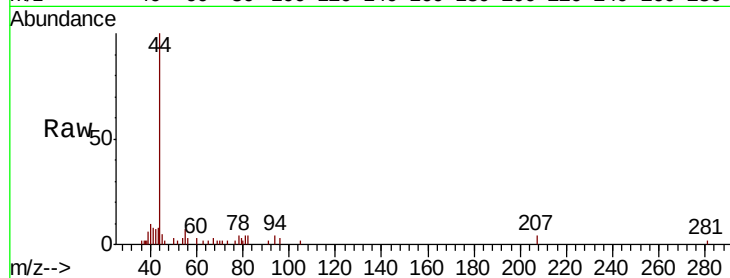
MW-16

Tot Ion: 94 Resp: 188

Ion Ratio Lower Upper

94 100

96 80.0 77.1 115.7



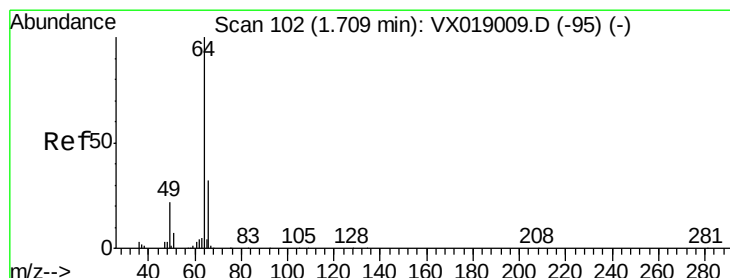
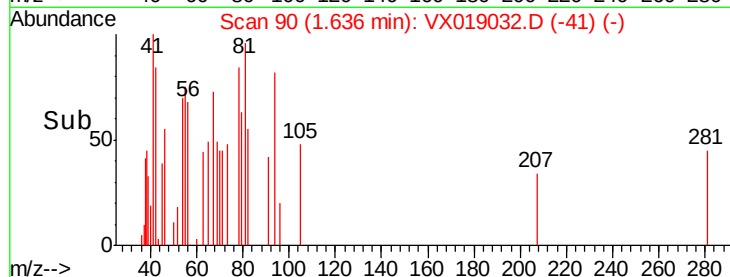
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.62 1.66 1.68

Time-->



#6

Chloroethane

Concen: 1.291 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX019032.D

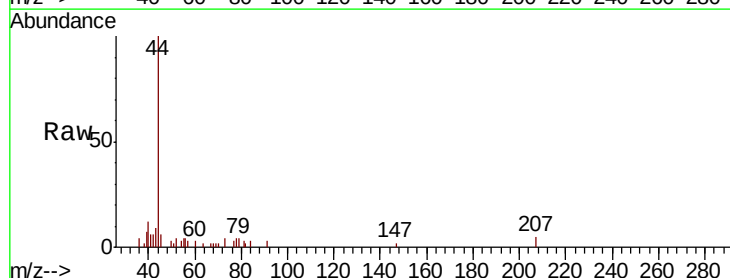
Acq: 22 Oct 2020 17:07

Tgt Ion: 64 Resp: 49

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



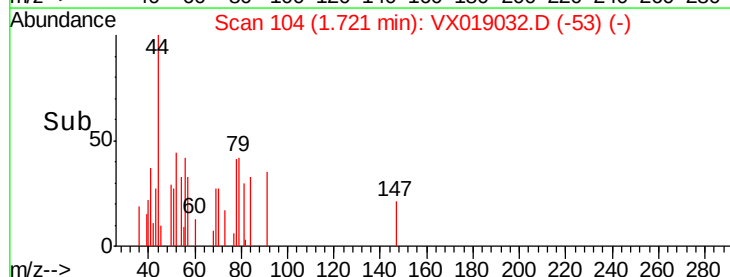
Abundance Ion 63.90 (63.60 to 64.60): VX0

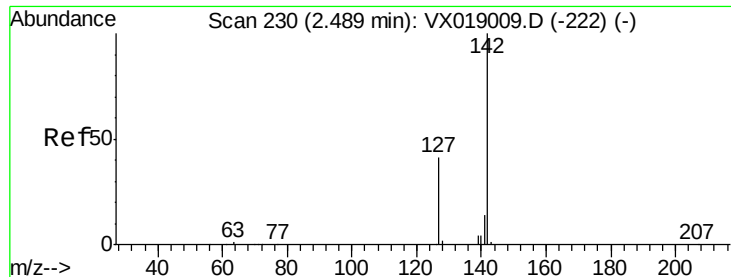
Ion 65.90 (65.60 to 66.60): VX0

1.72

1.70 1.74

Time-->

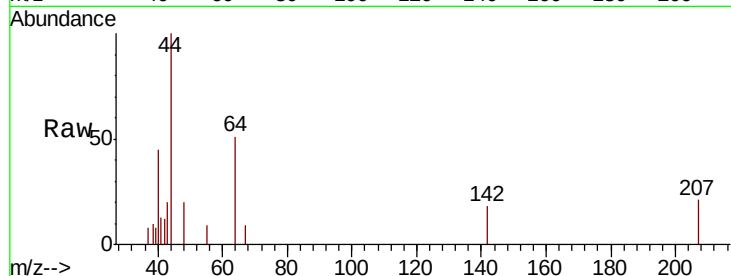




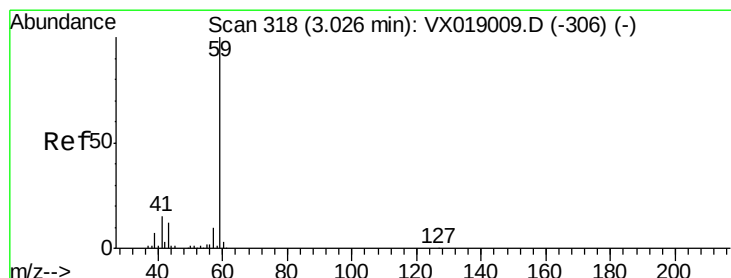
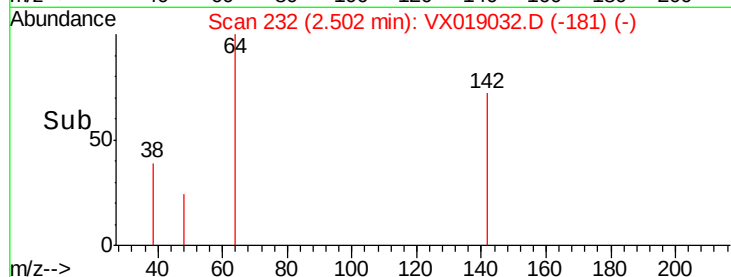
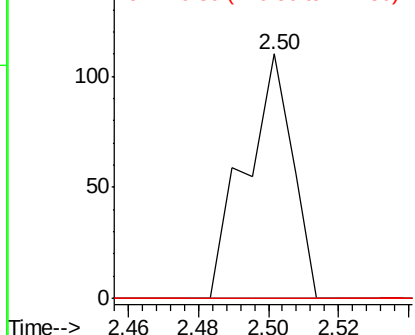
#10
Methyl Iodide
Concen: 4.796 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX019032.D
Acq: 22 Oct 2020 17:07

Instrument :
MSVOA_X
ClientSampleId :
MW-16

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.6	50.4#
141	0.0	11.2	16.8#

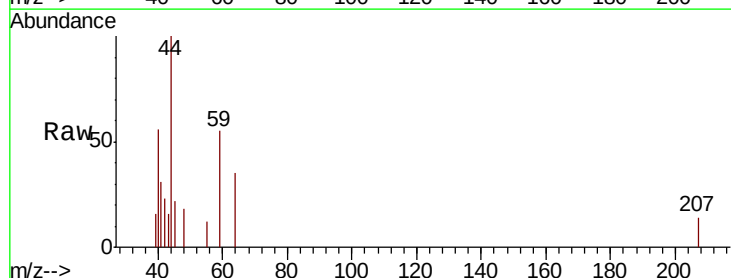


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

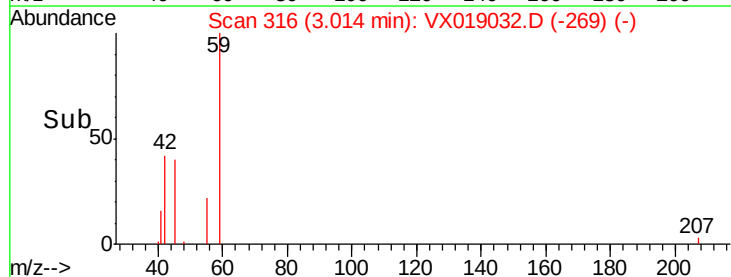
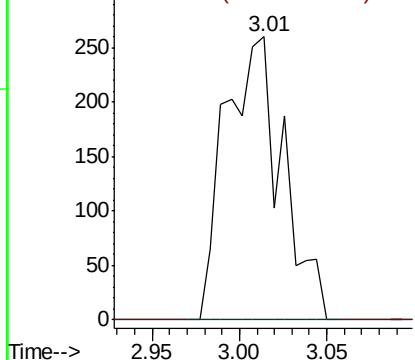


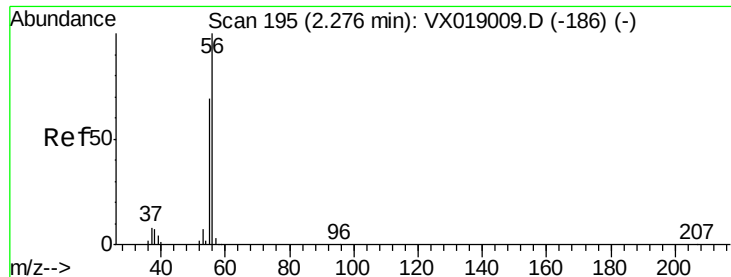
#11
Tert butyl alcohol
Concen: 0.912 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX019032.D
Acq: 22 Oct 2020 17:07

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.102 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Instrument :

MSVOA_X

ClientSampleId :

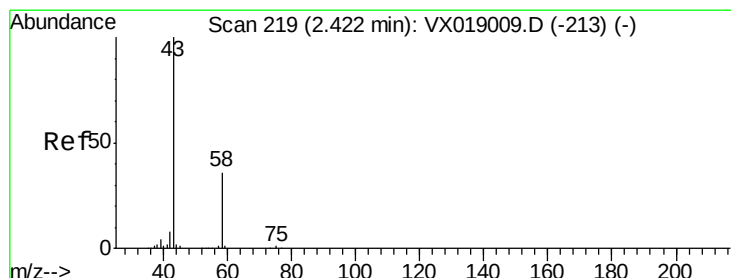
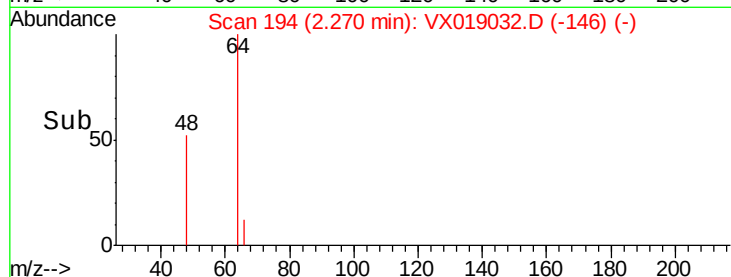
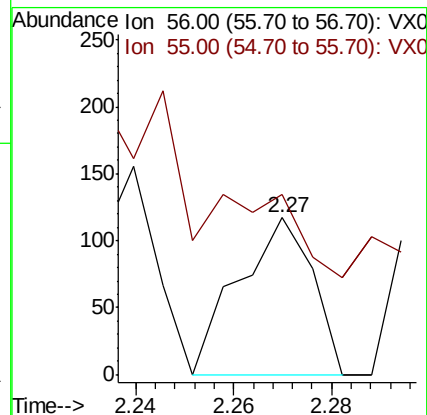
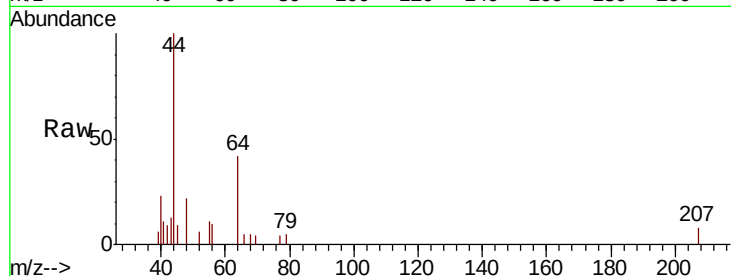
MW-16

Tot Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 0.0 54.2 81.4#



#16

Acetone

Concen: 2.638 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019032.D

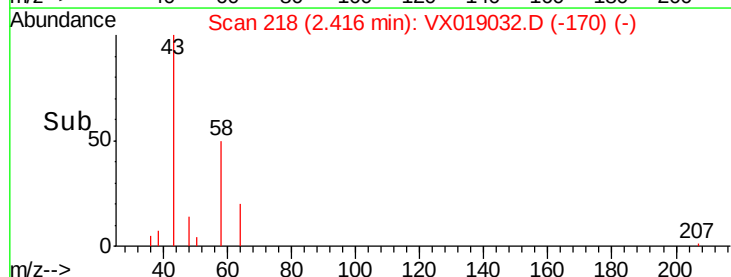
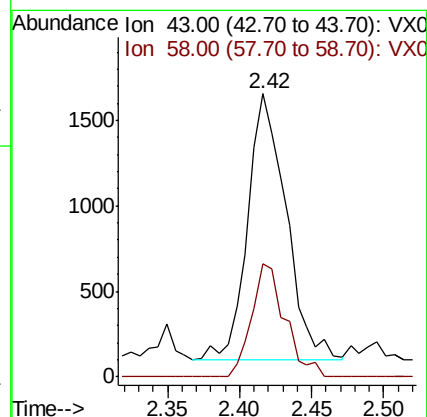
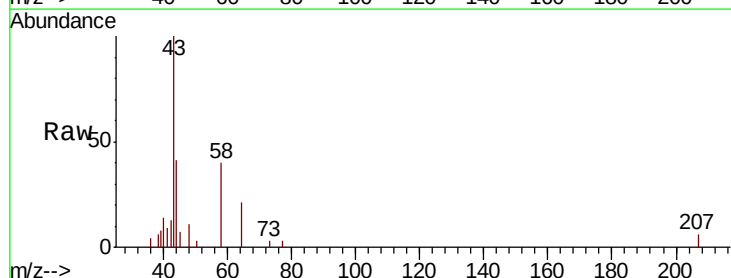
Acq: 22 Oct 2020 17:07

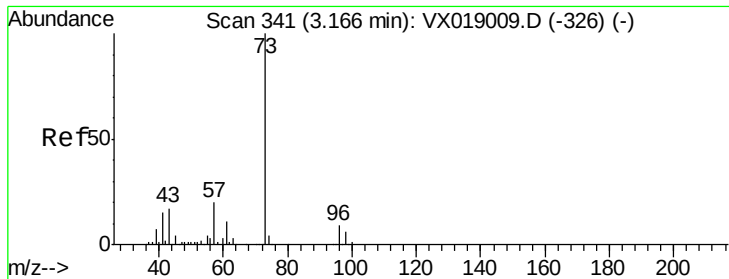
Tgt Ion: 43 Resp: 2871

Ion Ratio Lower Upper

43 100

58 42.3 28.6 42.8



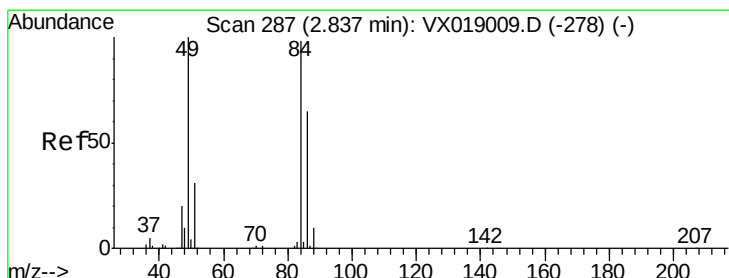
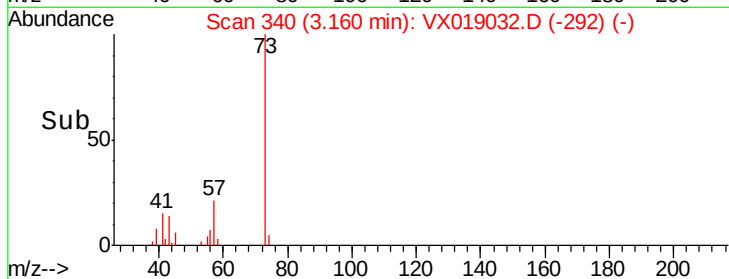
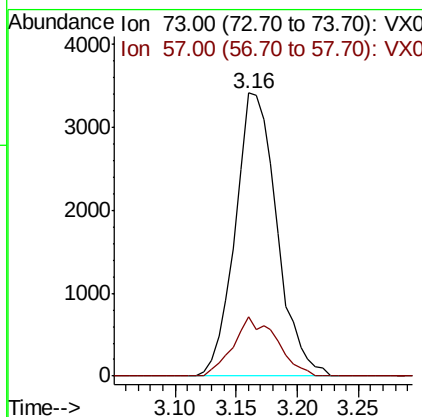
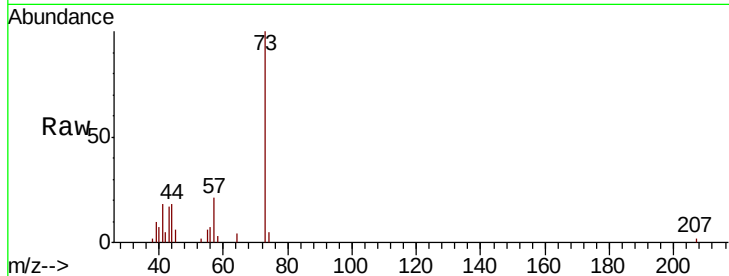


#19

Methyl tert-butyl Ether
 Concen: 0.985 ug/l
 RT: 3.16 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VX019032.D
 Acq: 22 Oct 2020 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

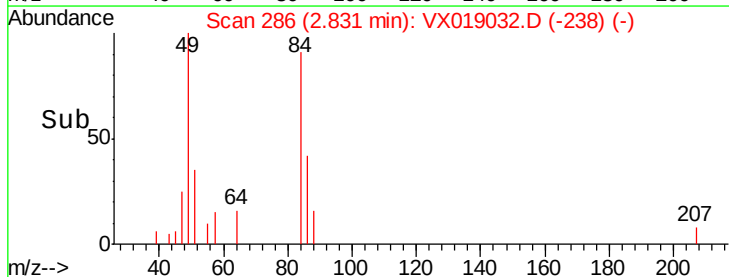
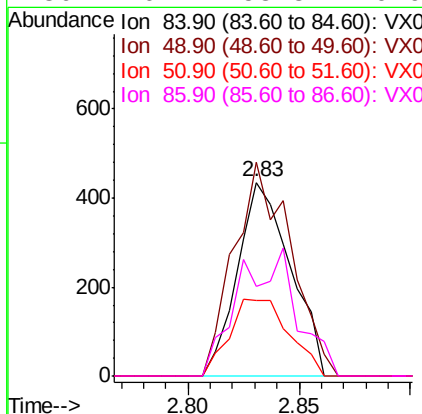
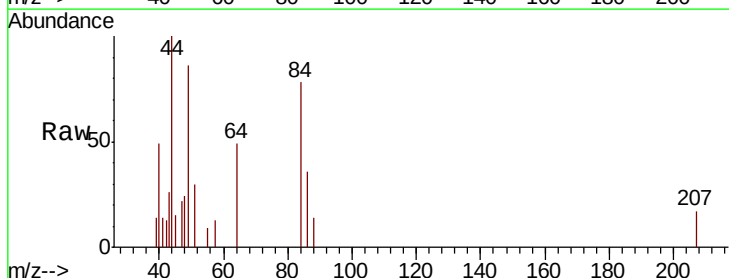
Tot Ion: 73 Resp: 8097
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.2 24.2

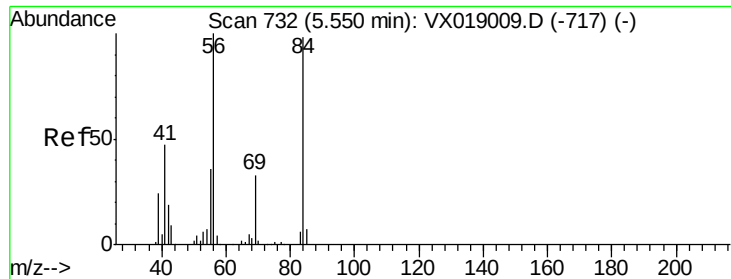


#20

Methylene Chloride
 Concen: 0.238 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX019032.D
 Acq: 22 Oct 2020 17:07

Tgt Ion: 84 Resp: 721
 Ion Ratio Lower Upper
 84 100
 49 110.1 81.6 122.4
 51 39.0 25.6 38.4#
 86 46.1 53.3 79.9#

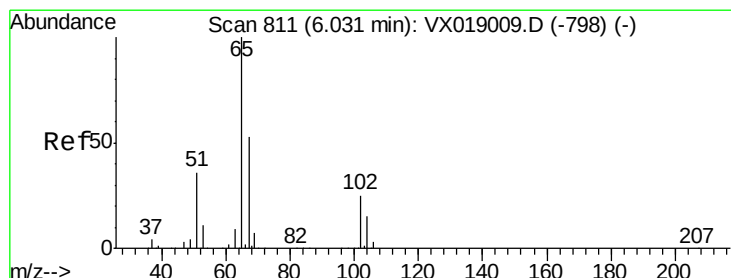
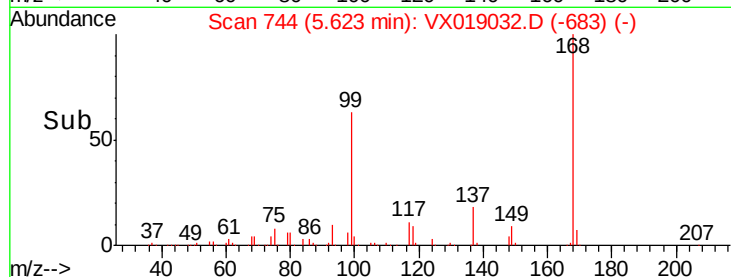
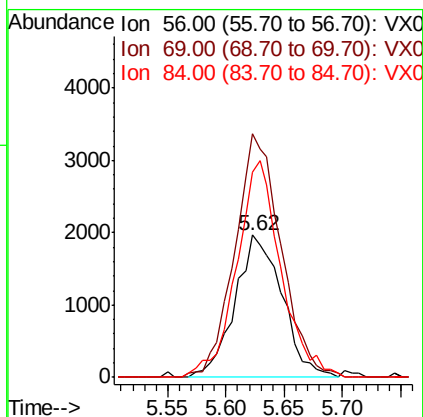
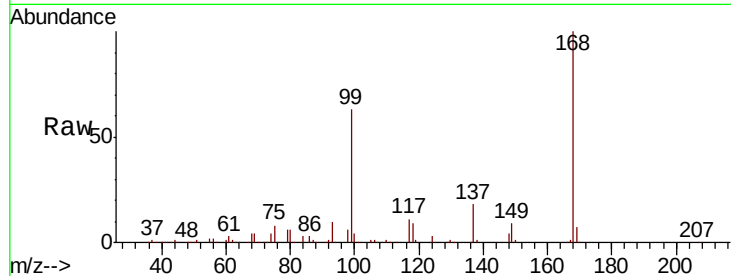




#31
Cyclohexane
Concen: 1.482 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019032.D
Acq: 22 Oct 2020 17:07

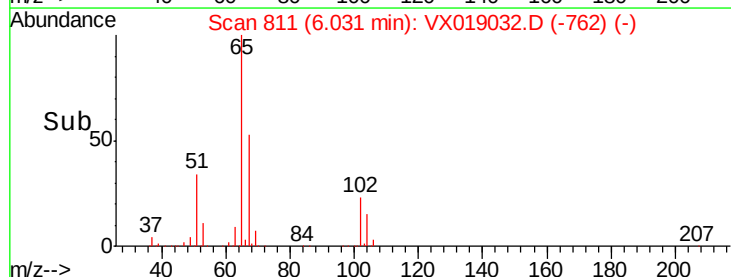
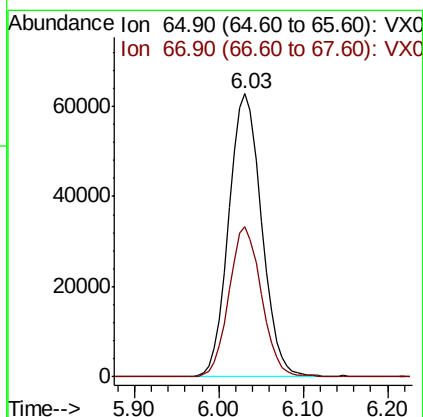
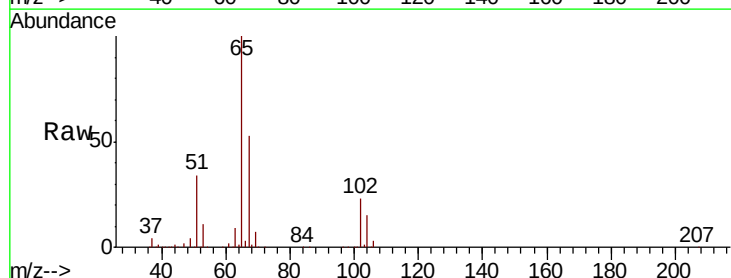
Instrument :
MSVOA_X
ClientSampled :
MW-16

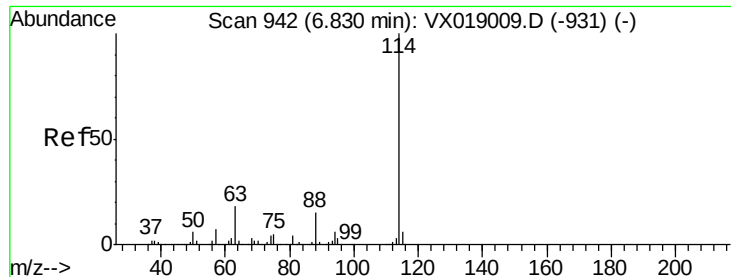
Tot Ion: 56 Resp: 5547
Ion Ratio Lower Upper
56 100
69 168.7 26.2 39.2#
84 141.9 78.3 117.5#



#33
1,2-Dichloroethane-d4
Concen: 52.075 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019032.D
Acq: 22 Oct 2020 17:07

Tgt Ion: 65 Resp: 166386
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Instrument :

MSVOA_X

ClientSampled :

MW-16

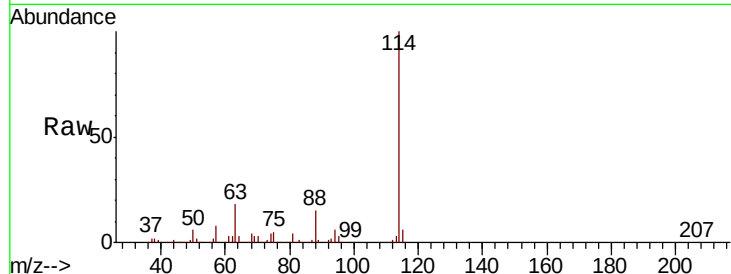
Tot Ion:114 Resp: 464933

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

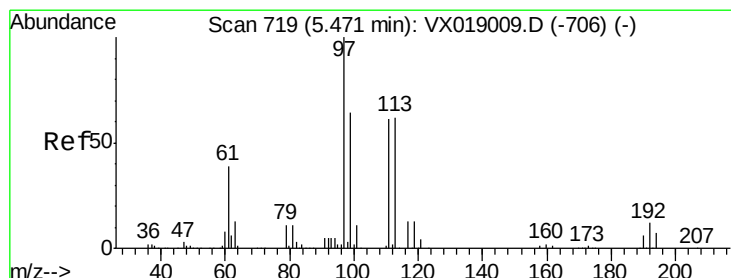
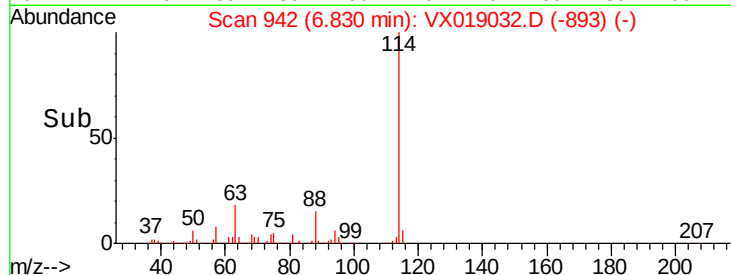
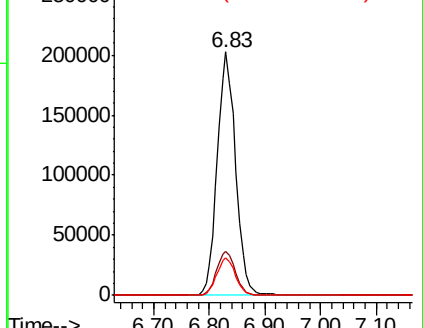
88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.297 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

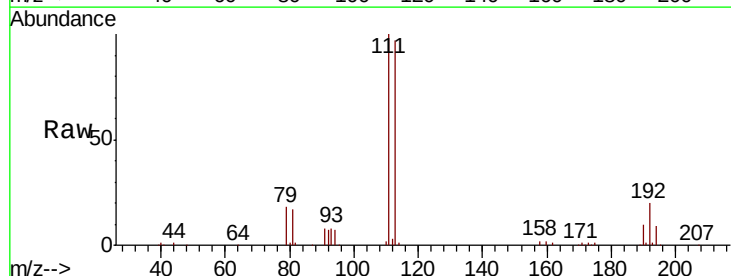
Tgt Ion:113 Resp: 145113

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

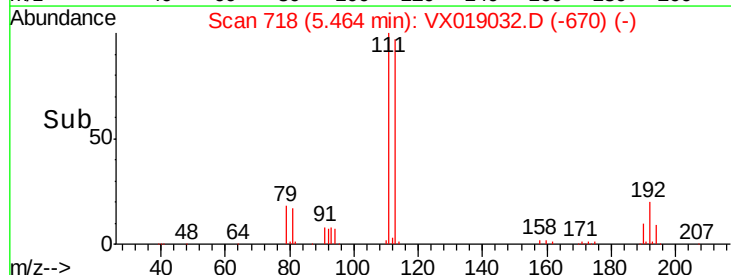
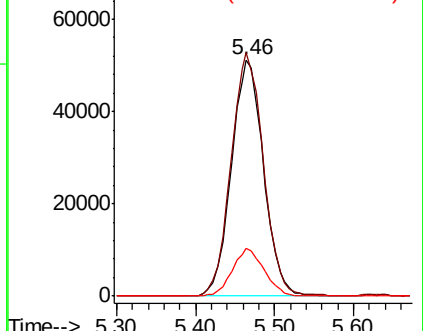
192 20.0 16.3 24.5

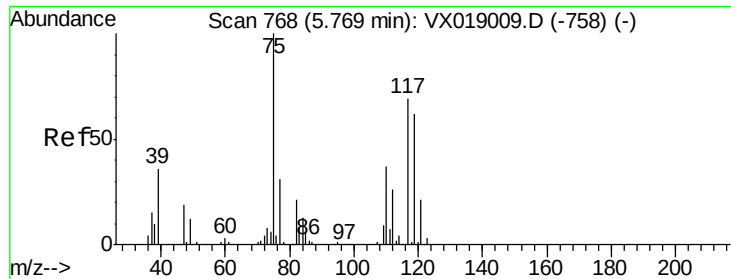


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

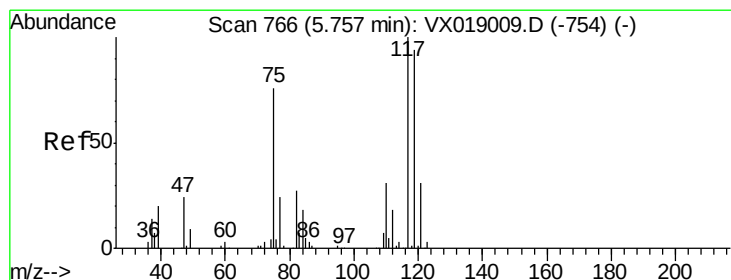
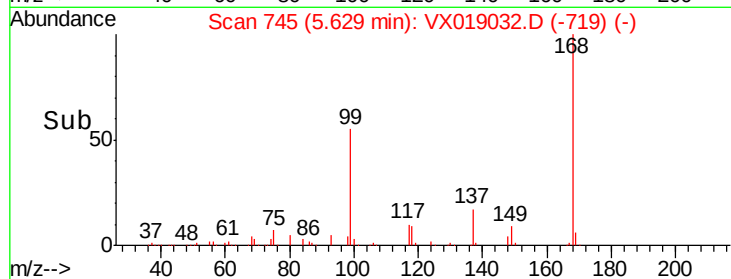
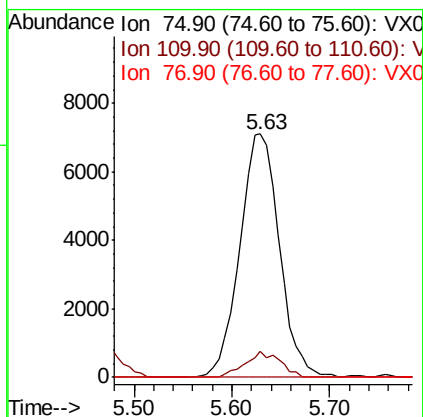
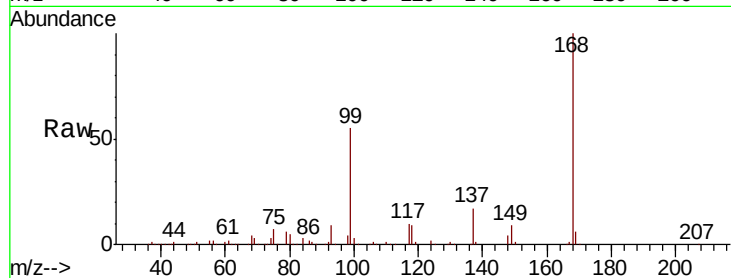




#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019032.D
 Acq: 22 Oct 2020 17:07

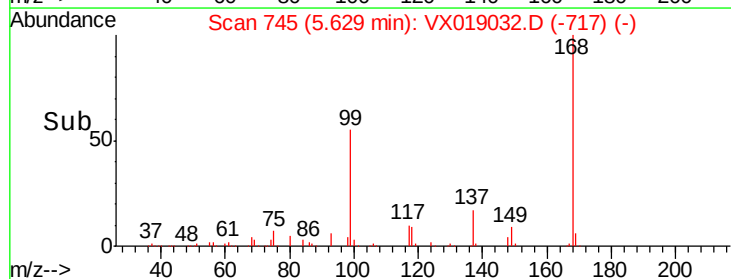
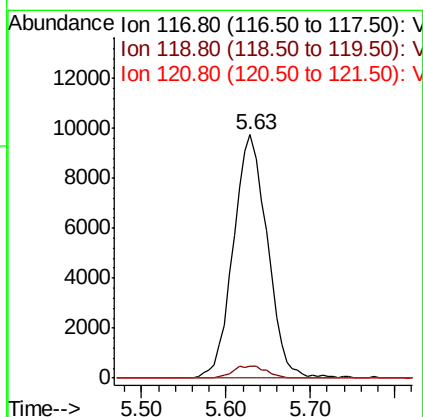
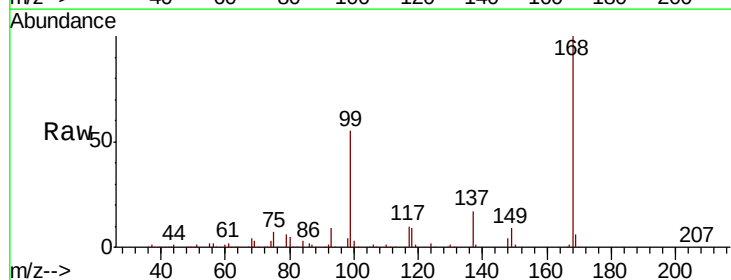
Instrument :
 MSVOA_X
 ClientSampled :
 MW-16

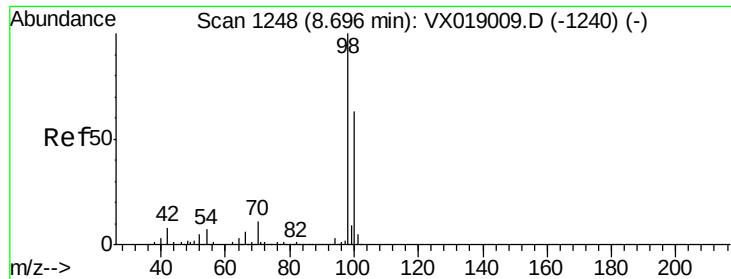
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.4	58.2#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 6.075 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019032.D
 Acq: 22 Oct 2020 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.4	113.0#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 52.090 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Instrument :

MSVOA_X

ClientSampleId :

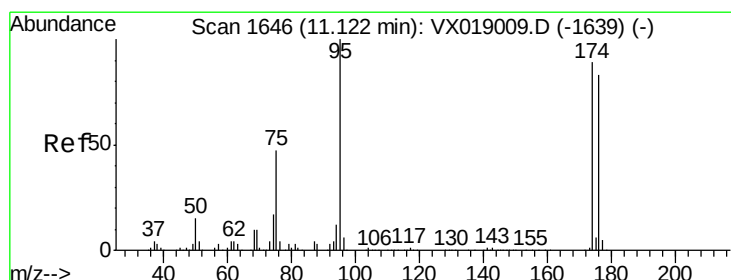
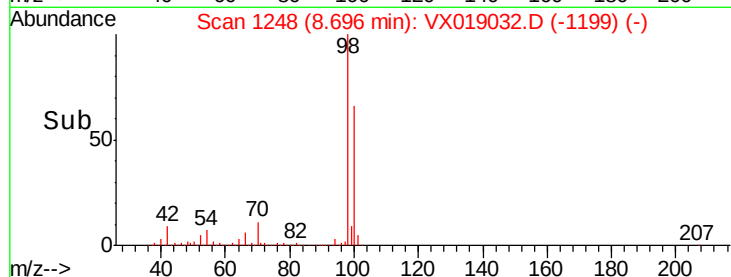
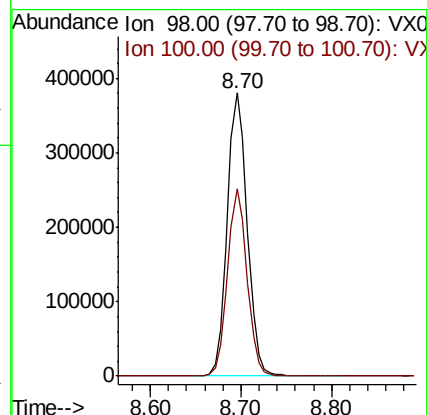
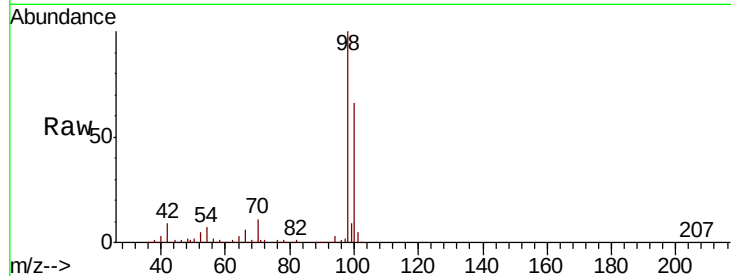
MW-16

Tot Ion: 98 Resp: 585131

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 53.047 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

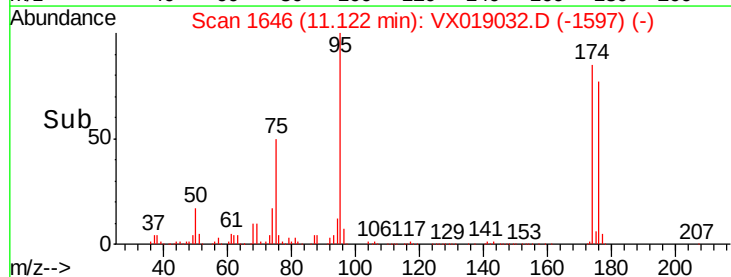
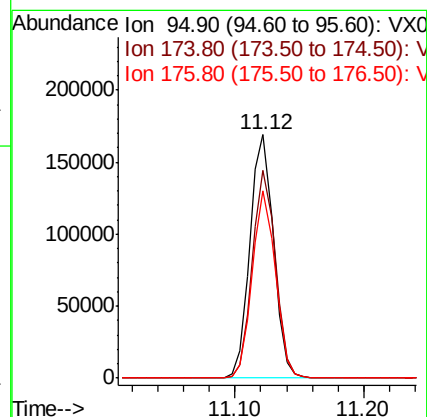
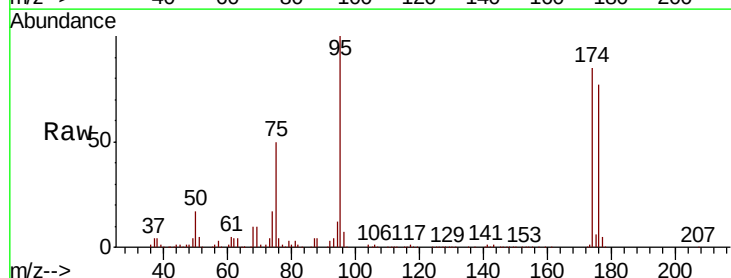
Tgt Ion: 95 Resp: 211958

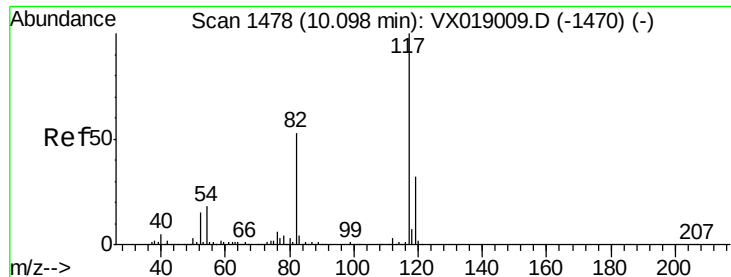
Ion Ratio Lower Upper

95 100

174 84.0 0.0 167.6

176 76.0 0.0 165.2

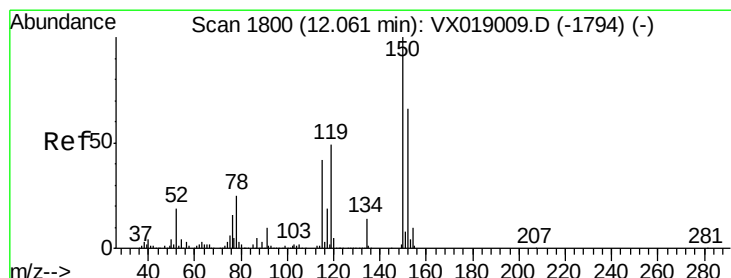
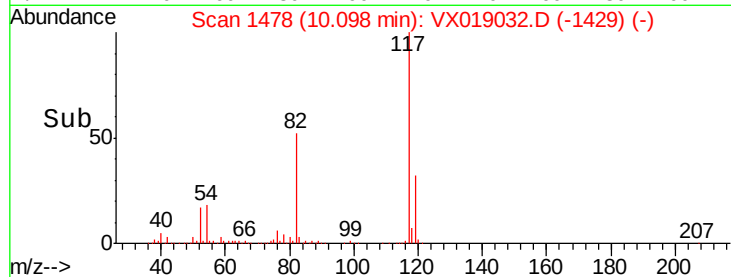
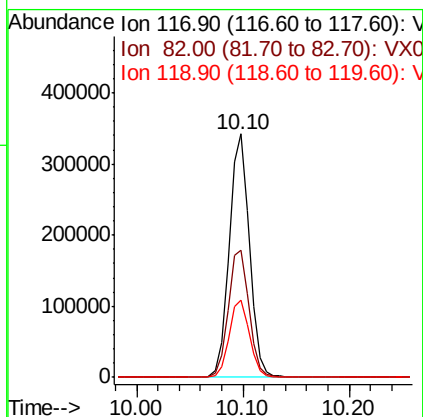
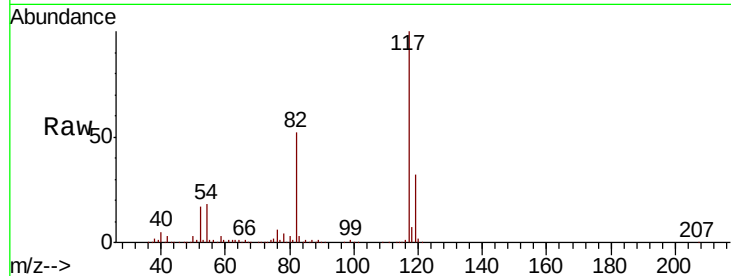




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019032.D
Acq: 22 Oct 2020 17:07

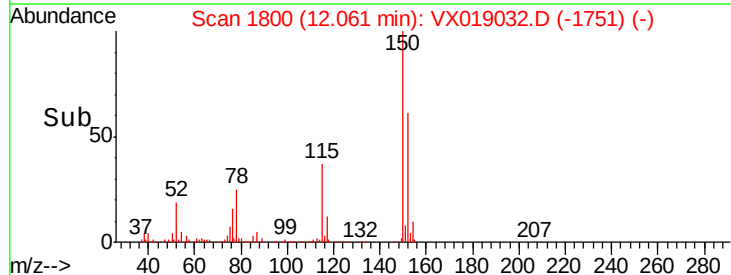
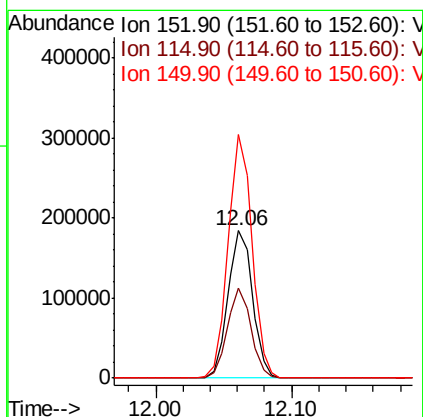
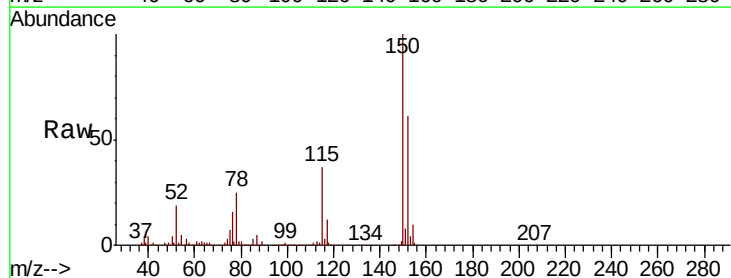
Instrument :
MSVOA_X
ClientSampleId :
MW-16

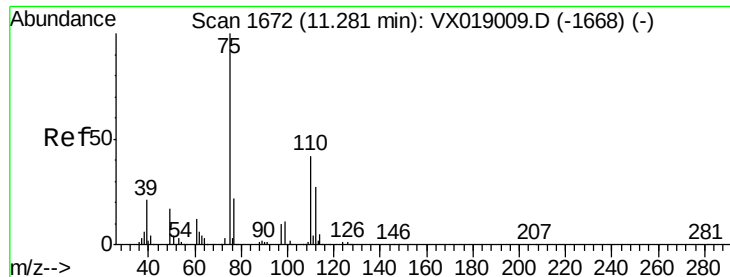
Tot Ion:117 Resp: 456003
Ion Ratio Lower Upper
117 100
82 52.4 42.4 63.6
119 31.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019032.D
Acq: 22 Oct 2020 17:07

Tgt Ion:152 Resp: 231116
Ion Ratio Lower Upper
152 100
115 58.8 40.8 122.5
150 161.1 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 23.037 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Instrument :

MSVOA_X

ClientSampleId :

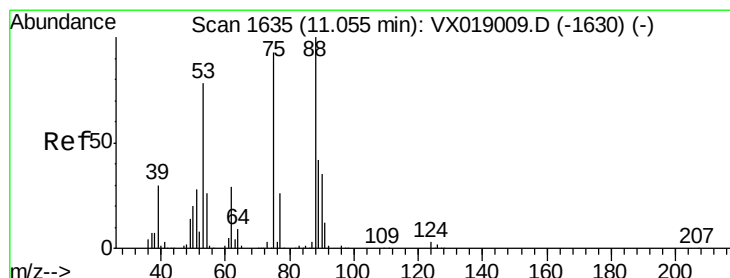
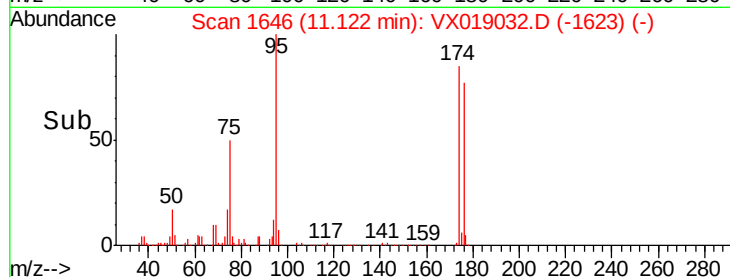
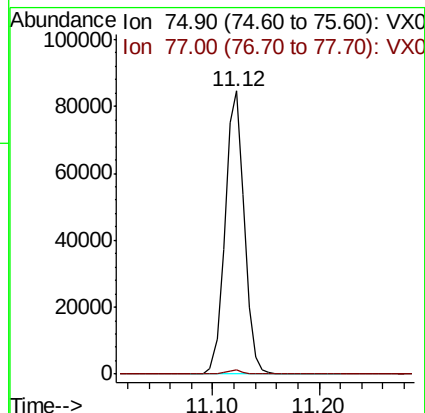
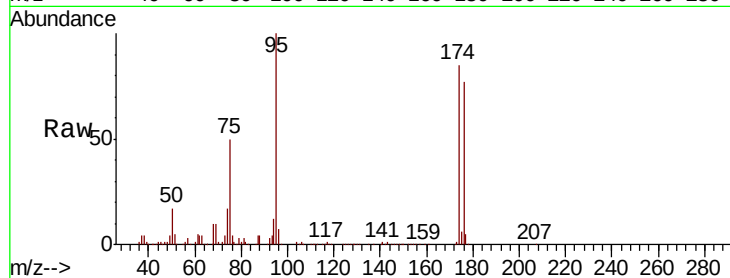
MW-16

Tot Ion: 75 Resp: 106417

Ion Ratio Lower Upper

75 100

77 1.2 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.694 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019032.D

Acq: 22 Oct 2020 17:07

Tgt Ion: 75 Resp: 106417

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

